

Converting Colors

XYZ(17.2506, 23.9960, 31.7395)

Have a look what the booklet for
XYZ(17.2506, 23.9960, 31.7395)
contains.

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Color

**XYZ(17.2506, 23.9960,
31.7395)**

Conversions

Conversions Part 1

Format	Color
Hex	329494
RGB	50, 148, 148
RGB Percent	20%, 58%, 58%
CMY	0.8039, 0.4196, 0.4196
CMYK	0.66, 0.00, 0.00, 0.42
HSL	180°, 49%, 39%
HSV	180°, 66%, 58%
XYZ	17.2506, 23.9960, 31.7395
YIQ	118.6980, -58.4080, -20.7760

Conversions

Conversions Part 2

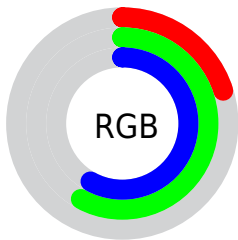
Format	Color
RYB	50, 99, 148
Decimal	3314836
CIELab	56.08, -27.62, -8.33
CIELCh	56, 28.844, 196.781
Yxy	23.9960, 0.2364, 0.3288
Android (android.graphics.Color)	4281504916 (0xFF329494)
YUV	118.6980, 14.4459, -60.2481
Hunter-Lab	48.9857, -22.8652, -4.1260

Details

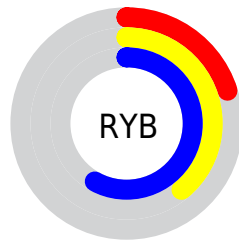
The XYZ color **17.2506, 23.9960, 31.7395** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9299, 8.8082, 3.9844**, and the grayscale version is **17.4091, 18.3157, 19.9458**.

A 20% lighter version of the original color is **38.2116, 49.8203, 63.4794**, and **6.4324, 9.4125, 12.7870** is the 20% darker color. If you saturate the color by 10%, you get **16.6358, 23.6796, 31.7112**, and if you desaturate by 10%, it is **18.1028, 24.4359, 31.7800**.

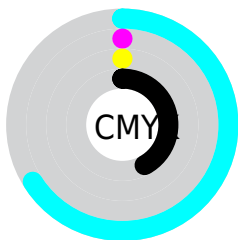
Distribution



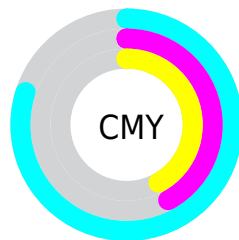
- Red (20%)
- Green (58%)
- Blue (58%)



- Red (20%)
- Yellow (39%)
- Blue (58%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (42%)



- Cyan (80%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2506, 23.9960, 31.7395 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 17.2506, 23.9960, 31.7395 by changing the saturation by 10% instead.

■ 17.2506, 23.9960,
31.7395

■ 17.2506, 23.9960,
31.7395

229.7406,
272.8003, 324.3870

■ 10.5097, 15.3307,
20.8994

■ 38.2963, 50.0237,
63.4956

■ 5.8031, 9.0518,
12.8600

■ 53.3319, 68.1548,
85.2488

■ 2.7652, 4.7750,
7.2026

■ 71.8631, 90.2100,
111.4767

■ 1.0309, 2.1158,
3.5088

■ 94.2552, 116.5736,
142.5980

■ 0.0000, 0.6735,
1.3599

■ 120.8737,
147.6300, 179.0311

■ 0.0000, 0.0000,
0.1102

152.0838,

■ 0.0000, 0.0000,

183.7637, 221.1946

0.0000

188.2510,
225.3589, 269.5070

■ 17.2506, 23.9960,
31.7395

■ 17.2506, 23.9960,
31.7395

■ 16.6358, 23.6796,
31.7112

■ 18.1028, 24.4359,
31.7800

■ 16.2324, 23.4716,
31.6923

■ 19.2108, 25.0070,
31.8319

■ 16.0058, 23.3548,
31.6816

■ 20.5936, 25.7199,
31.8967

■ 15.9356, 23.3186,
31.6783

■ 22.2678, 26.5830,
31.9751

■ 24.2489, 27.6043,
32.0679

■ 26.5510, 28.7911,
32.1757

■ 29.1876, 30.1503,
32.2991

■ 32.1711, 31.6883,
32.4388

■ 35.5137, 33.4115,
32.5953

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.1659, 23.9960, 22.1846



17.2506, 23.9960, 31.7395



18.7285, 23.9960, 41.7529

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.2506, 23.9960, 31.7395



27.7566, 23.9960, 40.6694



24.2910, 23.9960, 12.1181

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.2506, 23.9960, 31.7395



13.9299, 8.8082, 3.9844

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.4395, 23.9960, 14.9865



17.2506, 23.9960, 31.7395



29.5667, 23.9960, 30.5120

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.2506, 23.9960, 31.7395



24.6910, 23.9960, 47.7008



29.4454, 23.9960, 21.2195



21.0223, 23.9960, 12.2943

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.2506, 23.9960, 31.7395



20.3938, 23.9960, 46.6647



29.4454, 23.9960, 21.2195



25.4044, 23.9960, 12.7218

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.2513, 23.9969, 31.7401



41.2537, 47.9156, 56.5087



12.5638, 22.1314, 6.6279



9.2152, 10.8339, 12.8902



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.2513, 23.9969, 31.7401



28.9981, 41.5977, 55.9345



11.2797, 12.0535, 29.7499



5.9641, 6.5622, 7.4220



13.6111, 19.9172, 27.0575



0.1666, 0.2438, 0.3312

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.9299, 8.8082, 3.9844



22.6989, 12.7917, 3.2948



17.0980, 15.1445, 5.0403



5.8008, 5.8154, 6.0572



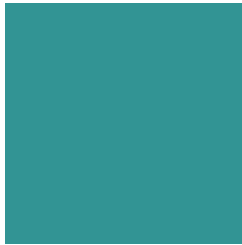
10.4317, 5.3777, 0.4882



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 17.2506, 23.9960, 31.7395 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.2506, 23.9960, 31.7395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

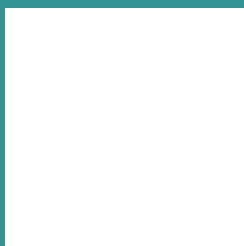
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2506, 23.9960, 31.7395

Background



This preview shows how black text looks on a background with the XYZ color 17.2506, 23.9960, 31.7395.

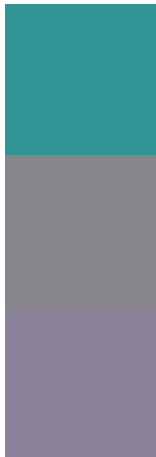


This preview shows how white text looks on a background with the XYZ color 17.2506, 23.9960,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.2506, 23.9960, 31.7395

Protanopia

22.8792, 23.7075, 27.7962

Deuteranopia

24.1314, 23.6355, 32.9960



Tritanopia

18.0260, 23.8386, 35.9990

Trichromacy



Original Color

17.2506, 23.9960, 31.7395

Protanomaly

19.5645, 23.0135, 29.0021

Deuteranomaly

20.4754, 23.1899, 32.6751

Tritanomaly

17.7347, 23.9574, 34.2614

Monochromacy



Original Color

17.2506, 23.9960, 31.7395

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6280, 19.9567, 24.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2506, 23.9960, 31.7395 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(50, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(50, 148, 148)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(50, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 148, 148) }
```

Border

The CSS property to change the border of an element to XYZ 17.2506, 23.9960, 31.7395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(50, 148, 148) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(50, 148, 148) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(50, 148, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(50, 148,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2506, 23.9960, 31.7395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 148, 148) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(50, 148,  
148) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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